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chaos

... becomes less and less similar (farther and farther away in **state space**) to a ... quickly into very different states), and c) is topologically **transitive** (A function ...

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... The **state space** is the **transitive** closure of s_0 ... The abstract **state space**

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... a **transitive** subgroup T of S_N . (If T is not **transitive**, the system ... of wreath product systems when the internal symmetries act irreducibly on the **state space**. ...
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... C. Is your **state space** systematic (tree-structured ... a sibling of Y ; (c) X is the spouse of a sibling of the spouse of Y . "ancestor" is the **transitive** closure of ...
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... In order to keep things simple, we will only consider R_n as **state space**. ... 20 **TRANSITIVE SPACES, MAXIMAL NORMS AND UNITARY ALGEBRAS**. Geoffrey V. Wood. ...
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 ... The major drawback of this approach is that the comparatively huge intermediate **state space** must be generated ... a $\rightarrow \rightarrow$ the **transitive** reflexive closure of a ...
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 ... the reflexive and **transitive** closure of $\rightarrow R$. So the reachable states from L are the domain of $M R$ to be verified. We suppose the initial **state space** L is ...

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... (a) The **state-space** PARKINGLOT, defining ... Relation composed n times R n Same as iter nR R ~ Inverse of relation (R -1) R * Reflexive-**transitive** closure R ...

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... 4 Example: Sampling colourings **state space** \Omega k ... 6 Path Coupling (Bubley and Dyer 1997) ffl S ` \Omega \Theta \Omega ffl **transitive** closure of S ...

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On preference-based search in state space graphs

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↑ ABSTRACT

The aim of this paper is to introduce a general framework for preference-based search in state space graphs with a focus on the search of the preferred solutions. After introducing a formal definition of preference-based search problems, we introduce the PBA* algorithm, a generalization of the A* algorithm, designed to process quasi-transitive preference relations defined over the set of solutions. Then, considering a particular subclass of preference structures characterized by two axioms called *Weak Preadditivity* and *Monotonicity*, we establish termination, completeness and admissibility results for PBA*. We also show that previous generalizations of A* are particular instances of PBA*. The interest of our algorithm is illustrated on a preference-based web access problem.

↑ REFERENCES

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- 1 [Stefano Bistarelli , Ugo Montanari , Francesca Rossi, Semiring-based constraint satisfaction and optimization, Journal of the ACM \(JACM\), v.44 n.2, p.201-236, March 1997](#)
- 2 Boutilier, C. 1994. Toward a logic for qualitative decision theory. In *Proceedings of the Fourth International Conference on Principles of Knowledge Representation and Reasoning, KR-94*, 75-86.
- 3 Brafman, R., and Tennenholtz, M. 1997. On the axiomatization of qualitative decision theory. In *Proceedings of the Fourteenth National Conference on Artificial Intelligence, AAAI-97*, 76-81. AAAI Press/MIT Press.
- 4 [Ronen I. Brafman , Moshe Tennenholtz, An axiomatic treatment of three qualitative decision criteria, Journal of the ACM \(JACM\), v.47 n.3, p.452-482, May 2000](#)
- 5 [Pallab Dasgupta , P. P. Chakrabarti , S. C. DeSarkar, Searching game trees under a partial order, Artificial Intelligence, v.82 n.1-2, p.237-257, April 1996](#)
- 6 De Finetti, B. 1974. *Probability Theory Vol. I*. London: Wiley.
- 7 [Didier Dubois , Hélène Fargier , Henri Prade, Refinements of the maximin approach to decision-making in a fuzzy environment, Fuzzy Sets and Systems, v.81 n.1, p.103-122, July 8, 1996](#)
- 8 [O. Madani, Efficient information gathering on the Internet, Proceedings of the 37th Annual Symposium on Foundations of Computer Science, p.234, October 14-16, 1996](#)
- 9 Hart, P. E.; Nilsson, N. J.; and Raphael, B. 1968. A formal basis for the heuristic determination of minimum cost paths. *IEEE Trans. Syst. and Cyb.* SSC-4 (2):100-107.
- 10 [Brian Logan , Natasha Alechina, A* with bounded costs, Proceedings of the fifteenth national/tenth conference on Artificial intelligence/Innovative applications of artificial](#)

intelligence, p.444-449, July 1998, Madison, Wisconsin, United States

11 Mitten, L. 1964. Composition principles for the synthesis of optimal multi-stage processes. *Operations Research* 12.

12 Morin, T. 1982. Monotonicity and the principle of optimality. *J. of Math. Analysis and Applications* 86:665-674.

13 Martin Müller, Partial order bounding: a new approach to evaluation in game tree search, Artificial Intelligence, v.129 n.1-2, p.279-311, June 2001

14 C. H. Papadimitriou , M. Yannakakis, On the approximability of trade-offs and optimal access of Web sources, Proceedings of the 41st Annual Symposium on Foundations of Computer Science, p.86, November 12-14, 2000

15 Judea Pearl, Heuristics: intelligent search strategies for computer problem solving, Addison-Wesley Longman Publishing Co., Inc., Boston, MA, 1984

16 Rote, G. 1998. Paths problems in graphs. Technical report, Institute of mathematics, technical university of Graz.

17 Schiex, T.; Fargier, H.; and Verfaillie, G. 1995. Valued constraint satisfaction problems: Hard and easy problems. In Mellish, C., ed., *Proceedings of the International Joint Conference on Artificial Intelligence, IJCAI-95*.

18 Bradley S. Stewart , Chelsea C. White, III, Multiobjective A*, Journal of the ACM (JACM), v.38 n.4, p.775-814, Oct. 1991

19 White, C.; Stewart, B.; and Carraway, R. 1992. Multiobjective, preference-based search in acyclic OR-graphs. *European Journal of Operational Research* 56:357-363.

20 Zimmermann, U. 1981. *Linear and combinatorial optimization in ordered algebraic structures*. Number 10 in Annals of discrete mathematics. North holland publishing company.

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